

APS Rec'd EST/PTO 11 APR 2008

PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

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|--|--|---|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | ATTORNEY'S DOCKET NUMBER<br>0230-0238PUS1 ✓<br>U.S. APPLICATION NO. 10/576693 (known/sec. 1.5)<br>NEW |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/015743 ✓   | INTERNATIONAL FILING DATE<br>22 October 2004 ✓ | PRIORITY DATE CLAIMED<br>24 October 2003 ✓  |
| TITLE OF INVENTION<br>METHOD FOR SCREENING GENOMIC DNA FRAGMENTS   |  |   |
| APPLICANT(S) FOR DO/EO/US<br>Tomoaki KUBO, Toshihiko KOMARI, Satoru USAMI, Yoshimitsu TAKAKURA, Yukoh HIEI and Yuji ISHIDA   |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.<br>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))<br>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).<br>Items 11 to 20 below concern document(s) or information included:<br>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input type="checkbox"/> A preliminary amendment.<br>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.<br>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). |  |   |

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|  |              |   |            |   |              |
|--|--------------|---|------------|---|--------------|
| U.S. APPLICATION NO. <b>10/1576693</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/015743                            |            | ATTORNEY'S DOCKET NUMBER<br>0230-0238PUS1 |              |
| 20. <input checked="" type="checkbox"/> Other items or information: <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Return Receipt Postcard</li> <li><input checked="" type="checkbox"/> PCT/ISA/210</li> <li><input checked="" type="checkbox"/> PCT/IB/304</li> <li><input checked="" type="checkbox"/> PCT/IB/308</li> <li><input checked="" type="checkbox"/> Sequence Listing (51 pages)</li> <li><input checked="" type="checkbox"/> Drawings (7 sheets)</li> </ul>   |              |   |            |   |              |
| The following fees have been submitted   |              |   |            | CALCULATIONS                              | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300   |              |   |            | \$ 300.00                                 |              |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492©)<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0<br>All other situations ..... \$200  |              |   |            | \$ 200.00                                 |              |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the © as an International Searching Authority ..... \$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400<br>All other situations ..... \$500 |              |   |            | \$ 400.00                                 |              |
| TOTAL OF 21, 22 and 23 =   |              |   |            | \$ 900.00                                 |              |
| <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821© or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |            |   |              |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |   |              |
| 113 - 100 =  | 12 / 50 =    | 1   | x \$250.00 | \$ 250.00                                 |              |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |              |   |            | \$ 130.00                                 |              |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |   |              |
| Total claims   | 30 - 20 =    | 10  | x 50.00    | 500.00                                    |              |
| Independent claims   | 3 - 3 =      |   | x          | 0.00                                      |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | +          |   |              |
| TOTAL OF ABOVE CALCULATIONS =  |              |   |            | \$ 1,780.00                               |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.   |              |   |            |   |              |
| SUBTOTAL =   |              |   |            | \$ 1,780.00                               |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  |              |   |            | \$ 130.00                                 |              |
| TOTAL NATIONAL FEE =   |              |   |            | \$ 1,910.00                               |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +   |              |   |            | \$  |              |
|  |              |   |            | \$  |              |
| TOTAL FEES ENCLOSED =  |              |   |            | \$ 1,910.00                               |              |
|  |              |   |            | Amount to be refunded:                    | \$           |
|  |              |   |            | Amount to be charged                      | \$           |

10/576693

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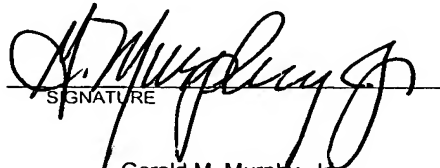
- ✓ a. ☒ A check in the amount of \$ 1,910.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 02-2448 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit  
Account No. 02-2448. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information  
should not be included on this form.** Provide credit card information and authorization on PTO-2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be  
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

April 21, 2006

CUSTOMER NUMBER: 02292

  
SIGNATURE  
NAME Gerald M. Murphy, Jr.

28,977  
REGISTRATION NUMBER

/sns